
 Substitute Form PTO-1449  
 (Modified)

 U.S. Department of Commerce  
 Patent and Trademark Office

 Attorney's Docket No.  
 10280-058001

 Application No.  
 10/602,141

**Information Disclosure Statement  
 by Applicant**

(Use several sheets if necessary)

 Applicant  
 Sato et al.

 Filing Date  
 June 23, 2003

 Group Art Unit  
 1639

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
TW	AA	US2002/0019350	2002-02-14	Levine et al.			
J	AB	US2002/0146750	2002-10-10	Hoogenboom et al.			
J	AC	US2002/0164667	2002-11-07	Alitalo et al.			
J	AD	US2003/0069395	2003-04-10	Sato et al.			
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
TW	AL	WO 03/074005	2003-9-12	WIPO				
	AM							
	AN							

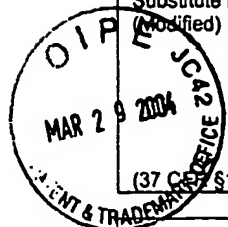
**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
TW	AO	Burger et al. "Pre-clinical evaluation of a methotrexate-albumin conjugate (MTX-HSA) in human tumor xenografts in vivo" <i>International Journal of Cancer</i> 92:718-724 (2001).
TW	AP	Yeh et al., "Design of yeast-secreted albumin derivatives for human therapy: biological and antiviral properties of a serum albumin-CD4 genetic conjugate." <i>Proc Natl Acad Sci U S A.</i> ; 89(5): 1904-8 (1992).
	AQ	
	AR	

Examiner Signature

Date Considered

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### U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
FDW	BA	US2004-0009534	Jan. 15, 2004	Sato et al.	435	7.1	
↓	BB	US5,538,897	Jul. 23, 1996	Yates et al.	436	89	
↓	BC	US5,767,243	Jun. 16, 1998	Lichenstein et al.	530	350	
	BD						
	BE						
	BF						
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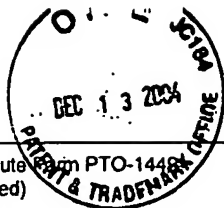
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							Yes	No
	BL							
	BM							
	BN							
	BO							

### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
FDW	BP	Akerstrom et al., "Definition of IgG- and Albumin-binding Regions of Streptococcal Protein G*", <i>Journal of Biological Chemistry</i> 262(28):13388-13391 (1987)
↓	BQ	Sato et al., "Development of Mammalian Serum Albumin Affinity Purification Media by Phage Display." <i>Biotechnol. Prog.</i> 18:182-192 (2002).
↓	BR	Venerando et al., "Interactions of Ganglioside G <sub>M1</sub> with Human and Fetal Calf Sera Formation of Ganglioside-Serum Albumin Complexes", <i>Biochimica et Biophysica Acta</i> 692: 18-26 (1982)
↓	BS	Yousif et al., "Staphylococcal Neutral Phosphatase: A highly catatonic molecule with binding properties for immunoglobulin", <i>APMIS</i> 102: 891-900 (1994)

Examiner Signature <i>T. W. W.</i>	Date Considered 1/24/05
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(37 CFR §1.98(b))

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
<i>tlw</i>	AA	5,116,944	05/26/1992	Sivam et al.	—	—	
<i>↓</i>	AB	5,223,409	06/29/1993	Ladner et al.	—	—	
<i>↓</i>	AC	5,780,594	07/14/1998	Daniel	—	—	
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	AE						
	AF						
	AG						
	AH						

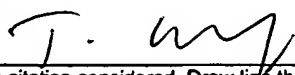
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							Yes	No
<i>tlw</i>	AI	EP 0 395918	11/07/1990	Europe	—	—		
<i>↓</i>	AJ	WO 91/01743	02/21/1991	WIPO	—	—		
<i>↓</i>	AK	WO 92/12236	07/23/1992	WIPO	—	—		
<i>↓</i>	AL	WO 00/37501	06/29/2000	WIPO	—	—		
	AM							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
<i>tlw</i>	AN	Adams, P. et al., "Heme-Peptide/Protein Interactions: The Binding of Heme Octa and Undecapeptides, and Microperoxidase-8 and -11, to Human Serum Albumin," <i>J. Inorg. Biochem.</i> , 37: 91-103, (1989).
<i>↓</i>	AO	Arakawa, T. and Kita, Y., "Stabilizing Effects of Caprylate and acetyltryptophanate on Heat-Induced Aggregation of Bovine Serum Albumin," <i>Biochim. Biophys. Acta</i> , 1479: 32-36, (2000).
<i>↓</i>	AP	Chhabra, al., Appraisal of New Variants of Dde Amine Protecting Group for Solid Phase Peptide Synthesis," <i>Tetrahedron Lett.</i> , 39: 1603-1606, (1998).
<i>↓</i>	AQ	Cheruvallath, V. et al., "The Effect of Octanoic Acid on the Binding of the Enantiomers of Ibuprofen and Naproxen to Human Serum Albumin: A Chromatographic Implication," <i>Pharm. Res.</i> , 13: 173-178, (1996).
<i>↓</i>	AR	Hollon, T., "HGS Targets Patent-Expiring Drugs," <i>Nat. Biotechnol.</i> , 28: 1238-1239, (2000).
<i>↓</i>	AS	Kobayashi, K. et al., "The Development of Recombinant Human Serum Albumin," <i>Ther. Apher.</i> , 2: 257-262, (1998).

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<i>TW</i>	AT	Kragh-Hansen, U., "Octanoate Binding to the Indole-and Benzodiazepine Binding Region of Human Serum Albumin," <i>Biochem. J.</i> , 273: 641-644, (1991).
	AU	Luik, A. et al., "Study of Human Serum Albumin Structure by Dynamic Light Scattering: Two Types of Reactions Under Different pH and Interaction With Physiologically Active Compounds," <i>Spectrochim. Acta Part A</i> , 54: 1503-1507, (1998).
	AV	Mahany, T. et al., "Studies on the Affinity Chromatography of Serum Albumins from Human and Animal Plasmas," <i>Camp. Biochem. Physiol.</i> , 68B: 319-323, (1981).
	AW	Merrifield, R., "Solid Phase Peptide Synthesis. I. The Synthesis of a Tetrapeptide," <i>J. Am. Chem. Soc.</i> , 85: 2149-2154, (1963).
	AX	Norde, W. and Giacomelli, C., "BSA Structural Changes During Homomolecular Exchange Between the Adsorbed and the Dissolved States," <i>J. Biotechnol.</i> , 79: 259-268, (2000).
	AY	Pingali, A. et al., "Peptides as Affinity Surfaces for Protein Purification," <i>J. Mol. Recognit.</i> , 9: 426-432, (1996).
	AZ	Ross, P. et al., "Thermal Stability of Human Albumin Measured by Differential Scanning Calorimetry," <i>VOX Sang.</i> , 47: 19-27, (1984).
	AAA	Saeed, M. et al., "Blood Pool MR Contrast Agents for Cardiovascular Imaging," <i>J. Magn. Reson. Imaging</i> , 12: 890-898, (2000).
	ABB	Seabold, J., "Radionuclide Venography and Labeled Platelets in Deep Venous Thrombosis," <i>Semin. Nucl. Med.</i> , 31: 124-128, (2001).
	ACC	Shani, M. et al., "Expression of Human Serum Albumin in the Milk of Transgenic Mice," <i>Transgenic Res.</i> , 1: 195-208, (1992).
	ADD	Shrake, A. et al., "Thermal Stability of Human Albumin Measured by Differential Scanning Calorimetry," <i>VOX Sang.</i> , 47: 7-18, (1984).
	AEE	Sijmons, P. et al., "Production of Correctly Processed Human Serum Albumin in Transgenic Plants," <i>Biotechnology</i> , 8: 217-221, (1990).
	AFF	Szeckerke, M. et al., "A New Approach to the Study of the-contribution of Peptide Carriers to Antitumor Activity: Binding of the Peptide Moiety to Human Serum Albumin," <i>FEBS Letters</i> , 44: 160-163, (1974).

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